## Approved For Release 2002/08/20 : CIA-RDP78B04747A003000050036-5

CERTIFIED
4 January 1
Subject: Project Progress Report - December 1965
Gentlemen,
Report on Project for the period covered  December 1965. Also included is a copy of our Financial  Report on the above program for November 1965.
Very truly yours,
LHB/de
Inc: (1) P.R. (1) F.R.

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25X1	PROGRESS REPORT
25X1	Period Covered: December 1965
	Document No.:  Dated: 3 January 1966
25X <b>←</b>	PRESENT STATUS
	Fabrication of parts is 75% complete. Problems with the main casting have been resolved and the casting is currently being machined. Various subassemblies have been made, and a preliminary assembly of the main drive section has been made on a dummy base plate to check ratios, fits, etc.
25X1	Fabrication of parts is 40% complete. The
	special high accuracy measuring micrometers have been received
	and are currently being inspected. No assemblies have been started and main castings have not been received.
	PROBLEM AREAS

Except for some minor part interferences there have been no problems in fabrication or assembly.

One area which is going to require further investigation is the sequencing and logic circuitry associated with the automatic film raising during film transport. This part of the design we feel cannot be finalized until a unit is actually tried out because of the human factors involved. We hope to be able to investigate this further before the final assembly is made by using a preliminary partly assembled unit and wired unit.

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	PROJECTED WORK FOR MONTH OF JANUARY
	We will complete 90% of the fabricated parts
	and 25% of the assembly. A partly assembled unit will be tested
	to work out various parameters in the power assist and control circuitry.
	75% of the parts will be fabricated wa
	75% of the parts will be fabricated. No assemblies will be started.
	SUMMARY OF CORRESPONDENCE
	Project Review Meeting
١	on December 17, 196
_	a) Program was reviewed
	a) Program was reviewed b) expressed desire for lowest possible friction
	force (e.g., 4 ounces) on movement of X and Y carriages.
	indicated that forces using currently planned techniques would be
	somewhat higher, more like one pound.
	c) requested and was given the assembly drawing for
	for reference purposes.
	FINANCIAL REPORT
	A financial report for November is attached.
	COMMENTS AND POSSIBLE SOLUTION TO PROBLEM OF FILM HOLDDOWN
	It is understood by both
1	that the application of tension to flaten film can never produce
the	the results obtainable with a vacuum system or platen holddown.
	This has been discussed many times in our correspondence (May,
	June-July, and September Progress Reports and Addnedum I to Final
1	Report, July 1965).
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X1	
<b>K</b> 1	Is is feeling, however, that perhaps a
ı	holddown system could be included as part of the design even at
	this late date if the customer were willing to accept certain
	limitations on operation. It would be possible for example to
	install a two piece manually operated glass pressure platen 25X1
	The limitations are as follows:
	a) Two piece platen - means center of format would
	have metal edge of platen frames funning across it.
	b) Microscope would have to be moved for loading film
	in order to raise each platen independently.
	c) Film cannot be transported unless platens are manually
	raised.
	On the positive side, however, the use of high optical
	quality platens for film flattening would permit the use of the
	highest microscope powers without the need for refocusing because
•	of the very narrow depth of field.
	If desired, we would be eager to investigate this
	further and submit a proposal and cost quotation for its inclusion
	in the designs.